Name _____

Radicals - Addition Under Squared Radical to Radical

1 Simplify the radical.

$$\sqrt{181 + 11}$$

A	B	C	D	E
$10\sqrt{2}$	$6\sqrt{4}$	5	$8\sqrt{3}$	$9\sqrt{3}$

2 Simplify the radical.

$$\sqrt{234 - 54}$$

A	B	C	D	E
$6\sqrt{7}$	$6\sqrt{5}$	$2\sqrt{5}$	$5\sqrt{5}$	$3\sqrt{2}$

3 Simplify the radical.

$$\sqrt{25 + 220}$$

A	B	C	D	E
$7\sqrt{5}$	$8\sqrt{3}$	$7\sqrt{6}$	$9\sqrt{8}$	$6\sqrt{8}$

4 Simplify the radical.

$$\sqrt{216 - 40}$$

A	B	C	D	E
$3\sqrt{7}$	$\sqrt{9}$	$\sqrt{8}$	$3\sqrt{10}$	$4\sqrt{11}$

5 Simplify the radical.

$$\sqrt{380 + 320}$$

A	B	C	D	E
$7\sqrt{7}$	$7\sqrt{4}$	$8\sqrt{3}$	$10\sqrt{7}$	$12\sqrt{10}$

6 Simplify the radical.

$$\sqrt{98 + 10}$$

A	B	C	D
$6\sqrt{3}$	$9\sqrt{2}$	$9\sqrt{6}$	$5\sqrt{4}$

7 Simplify the radical.

$$\sqrt{87 + 60}$$

A	B	C	D
$3\sqrt{6}$	$6\sqrt{5}$	4	$7\sqrt{3}$

8 Simplify the radical.

$$\sqrt{5 + 15}$$

A	B	C	D	E
$\sqrt{6}$	$\sqrt{2}$	$\sqrt{7}$	$2\sqrt{5}$	$3\sqrt{3}$